

(11) RMP Program Level 3 Process ChecklistFacility Name: Puget Sound Shell RefineryInspector: Javier Morales

RMP Coordinator

US EPA Region 10

1200 6th Ave., Suite 900, OCE-084

Seattle, WA 98101

Section C: Prevention Program**Prevention Program - Incident investigation [68.81]**

- | | |
|---|---|
| 46. Has the owner or operator investigated each incident that resulted in, or could reasonably have resulted in a catastrophic release of a regulated substance? [68.81(a)] | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
1/7/16 |
| 47. Were all incident investigations initiated not later than 48 hours following the incident? [68.81(b)] * (A) | <input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> N/A
1/7/16 |
| 48. Was an accident investigation team established and did it consist of at least one person knowledgeable in the process involved, including a contract employee if the incident involved work of a contractor, and other persons with appropriate knowledge and experience to thoroughly investigate and analyze the incident? [68.81(c)] | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
1/7/16 |
| 49. Was a report prepared at the conclusion of every investigation? [68.81(d)] | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A |
| 50. Does every report include: [68.81(d)]
<input checked="" type="checkbox"/> Date of incident? [68.81(d)(1)]
<input checked="" type="checkbox"/> Date investigation began? [68.81(d)(2)]
<input checked="" type="checkbox"/> A description of the incident? [68.81(d)(3)]
<input checked="" type="checkbox"/> The factors that contributed to the incident? [68.81(d)(4)]
<input checked="" type="checkbox"/> Any recommendations resulting from the investigation? [68.81(d)(5)] | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
1/7/16 |
| 51. Has the owner or operator established a system to address and resolve the report findings and recommendations, and are the resolutions and corrective actions documented? [68.81(e)] * | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
1/7/16 |
| 52. Was the report reviewed with all affected personnel whose job tasks are relevant to the incident findings including contract employees where applicable? [68.81(f)] * (B) | <input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> N/A |
| 53. Has the owner or operator retained incident investigation reports for at least five years? [68.81(g)] | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A
1/7/16 |

See field notes.

- * ① H2S Exposure Near HPK101 (HTU/CRU #2); incident date 11/24/2010; Date began investigation 11/29/10 (> 48 hrs); PSM Near Miss, use corrective action table; unable to determine if reviewed w/ personnel.
- ② 6063 Debut Pump Failure (CRU 1); incident date 12/1/2010; Date began investigation (> 48 hrs) 12/13/2010. Use corrective action table; unable to determine if reviewed w/ personnel
- ③ Alky 2 Iso-butane Release (ALKY2); Incident date 3/9/2014; Date began investigation 5/12/2014 (> 48 hrs); use corrective action table; unable to determine if reviewed w/ personnel
- (A) 5/2014 Compliance Audit, Finding #2 (Finding ID 836273), Assessment ID 158316, closed 5/28/15 - 288 investigation reports dating back to 2006 were reviewed. Investigation documents indicate investigation began within 48 hrs.



~~⑧ Incident Inv~~

⑧ Incident Investigation A.126.3, PSI A061, 7/19/14, Rev 12,
discusses learning sessions and giving access to employees
to view completed reports.